

PUBLIC IMPROVEMENT AGREEMENT UNDER \$50,000
PHASE 1 FBO REPAIR: REMOVAL OF SHEET ROCK, MOLD AND LEAK REPAIR

THIS CONTRACT is made this 7 day of April, 2014, between City of Newport, hereinafter called Owner, and Keith Johnson Construction, LLC, hereinafter called Contractor. In consideration of mutual covenants hereinafter set forth, the parties agree as follows:

1. **Work.** Contractor shall complete all work as specified in the contract documents, in conformance with all Owner public works design and construction standards, and in accordance with the documents and drawings provided for the PHASE 1 FBO REPAIR: REMOVAL OF SHEET ROCK, MOLD AND LEAK REPAIR project.
2. **Materials.** Contractor will furnish, provide and pay for all materials, supplies, labor, tools, equipment, water, lights, power, transportation, supervision, temporary construction of any nature, and all other services and facilities of any nature whatsoever necessary to execute, complete, and deliver the Work within the specified time.
3. **Contract Time.** The Work will be completed by Contractor within 60 calendar days after the date of Owner's Notice to Proceed, unless the time for completion is extended otherwise by the Contract Documents or by written agreement of the parties.
4. **Contract Price.** Owner shall pay Contractor for performance of the Work in accordance with the Contract Documents (Exhibit A).
5. **Compensation.** Owner will pay the Contract Price upon final completion and City's acceptance of Contractor's Work.
6. **Contract Documents.** The term "Contract" or "Contract Documents" means and includes the following:
 - a) Request for Competitive Quote;
 - b) Addenda (if any);
 - c) Contractor's submitted Quotation Form;
 - d) Public Improvement Contract;
 - e) ORS 279C Requirements (attached);
 - f) Notice of Award;
 - g) Notice to Proceed;
 - h) Change Orders (if any);

All Contract Documents are attached hereto, and incorporated herein by this reference. In the event of a conflict, this Contract will prevail over other Contract Documents as modified by any change orders, followed by ORS 279C requirements, the Notice to Proceed, Owner Request for Competitive Quote, then Contractor's submitted Quotation Form, in that order of precedence.

7. **Materials and Equipment.** Materials and equipment shall be stored so as to ensure the preservation of their quality and fitness for the Work. Stored materials and equipment to be incorporated in the Work shall be located so as to facilitate prompt inspection. All materials and equipment shall be applied, installed, connected, erected, used, cleaned and

conditioned as directed by the manufacturer.

8. **Contractor's Representations.** In order to induce Owner to enter into this Contract, Contractor makes the following representations:

- a) Contractor has familiarized itself with the nature and extent of the Contract Documents, Work, locality, and with all local conditions and federal, state, and local laws, ordinances, rules, and regulations which, in any manner, may affect cost, progress, or performance of the Work;
- b) Contractor has studied carefully all reports, investigations, and tests of subsurface and latent physical conditions at the site affecting cost, progress, or performance of the Work which were relied upon in the preparation of the drawings and specifications;
- c) Contractor has made or has caused to be made examinations, investigations, and tests and studies of such reports and related data in addition to those referred to in (b) which it deems necessary for the performance of the Work, determination of the contract price, completing the building within the contract time in accordance with the other terms and conditions of the Contract Documents; and no additional examinations, investigations, tests, reports, or similar data are or will be required by Contractor for such purposes;
- d) Contractor has correlated the results of all such observations, examinations, investigations, tests, reports, and data with the terms and conditions of the Contract Documents;
- e) Contractor has given the Owner's representative written notice of all conflicts, errors or discrepancies which he has discovered in the Contract Documents and the written resolution thereof by the Owner's representative is acceptable to the Contractor.

9. **Insurance.** Before undertaking any work on the project, Contractor shall provide Owner with Certificates of Insurance including comprehensive general liability and other insurance as will provide protection for the claims set out below, which may arise out of or result from Contractor's performance of the Work and Contractor's other obligations under the Contract Documents, whether such performance is by Contractor or any Subcontractor, or by anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable:

- a) Claims under workers' compensation or other similar employee benefits;
- b) Claims for damages because of bodily injury, occupational sickness or disease or death of Contractor's employees;
- c) Claims for damages because of bodily injury, sickness, disease or death of any person other than Contractor's employees;
- d) Claims for damages covered by personal injury liability insurance, sustained by any person as a result of an offense directly or indirectly related to the employment of such person by Contractor or by any other person for any other reason;
- e) Claims for damages other than to the Work itself because of injury or destruction of tangible property, including loss of use resulting therefrom;

- f) Claims for damages because of bodily injury or death of any person, or property damage arising out of the ownership, maintenance or use of any motor vehicle.

The limits of such liability shall be as follows:

- | | |
|------------------------------------|-------------|
| 1) Comprehensive general liability | \$1,300,000 |
| 2) Automobile | \$1,000,000 |
| i) Bodily injury | \$1,000,000 |
| ii) Property Damage | \$1,000,000 |

Owner shall be named as an additional insured on the certificates of insurance. Such policies shall not be canceled or allowed to expire nor material changes permitted, until Contractor has provided at least 30 days written notice to Owner.

10. **Changes to the Work and Contract Amendments.** Changes to the Work, price and other contract amendments shall be in writing, signed by both parties and made in accordance with Owner Public Contracting Rules 137-049-0160 and 137-049-0910.

11. **Warranty.** This project is warranted against any and all failures for a period of one year from the date of completion. Contractor agrees to be responsible for all such repairs. If Contractor does not perform repairs within 30 days after notice provided by the Owner, the Owner may perform repairs and bill Contractor. Contractor shall be liable for payment of all such sums, as billed.

12. **Suspension of Work, Termination Delay.**

- a) If Contractor is adjudged as bankrupt or insolvent or if it makes a general assignment for the benefit of its creditors, or if a trustee or receiver is appointed for the Contractor or for any of its property, or if it files a petition to take advantage of any debtor's act or to reorganize under bankruptcy or applicable laws, or if it repeatedly fails to supply sufficient skilled workmen or suitable material or equipment, or if it repeatedly fails to make prompt payments to subcontractors for labor, materials, or equipment, or if it disregards laws, ordinances, rules, regulations, or orders of any public body having jurisdiction of the Work, or if it disregards the authority of the Owner's representative or if it otherwise violates any provision of the contract documents, then the Owner may, without prejudice to any other right or remedy, after giving the Contractor and its surety a minimum of five days' notice from delivery of the written notice, terminate the services of the Contractor and take possession of the Project and all materials, equipment, tools, construction equipment, machinery thereon owned by Contractor and finish the Work by whatever method it may deem expedient. In such case, the Contractor shall not be entitled to receive any further payment until the work is finished. If the unpaid balance of the contract price exceeds the direct and indirect costs of completing the project, including compensation for additional professional services, such excess shall be paid to the Contractor. If the costs exceed such unpaid balances, the Contractor will pay the difference to the Owner. Such costs incurred by the Owner will be determined by the Owner and incorporated in a change order.

- b) Where the Contractor's services have been so terminated by the Owner, the termination shall not affect any right of the Owner against the Contractor then existing or which may thereafter accrue. Any retention or payment of monies by the Owner due the Contractor will not release the Contractor from compliance with the Contract Documents.
 - c) After five days from delivery of written notice to the Contractor, the Owner may, without cause and without prejudice to any other right or remedy, elect to abandon the Project and terminate the Contract. In such case, the Contractor shall be paid for all work executed and any expense sustained plus reasonable profit.
13. **Indemnification.** To the fullest extent permitted by law, the Contractor shall indemnify, hold harmless, and defend Owner and its representatives, officers, directors, and employees from any loss or claim made by third parties, including legal fees and costs of defending actions or suits resulting directly or indirectly from Contractor's negligent performance and provision of materials and/or fault of Contractor, its employees, representatives, or subcontractors. If the loss or claim is caused by the joint concurrent negligence or other fault of Owner and Contractor, the loss or claim shall be borne by each in proportion to the degree of negligence or other fault attributable to each.

Contractor shall defend Owner from claims covered under this indemnification section at Contractor's sole cost and expense until such time (1) as an arbitration panel or a court of competent jurisdiction determines that Owner is liable in whole or in part for the loss or claim caused by Owner's negligence or (2) until Owner and Contractor mutually agree to allocate the liability.

14. **Miscellaneous.**

- a) No assignment by a party hereto of any rights under or interests in the Contract Documents will be binding on another party hereto without the written consent of the parties sought to be bound; and specifically but without limitation, monies which may become due and monies which are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law) and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.
 - b) This Contract shall be binding upon all parties hereto and their respective partners, successors, heirs, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.
15. **Arbitration.** If any disputes, disagreements or controversies arise between the parties pertaining to the interpretation, validity, rescission or enforcement of this Contract, the parties shall, upon the request of either party, submit such dispute to binding arbitration. Except as otherwise provided in this Contract, arbitration shall be requested by delivering to the other party a written request for arbitration. Within 10 days of receipt of such request, the parties shall select a mutually agreeable arbitrator and designate mutually agreeable rules of arbitration. If the parties cannot agree upon an arbitrator within 10 days, an arbitrator may be appointed by the Circuit Court for the County in which Owner is located, upon the request of either party submitted in accordance with Oregon's Uniform Arbitration Act, ORS 36.600, et seq. If the parties have not designated mutually agreeable rules of arbitration at such time as the arbitrator is appointed, the arbitrator shall have the discretion

to adopt rules for the arbitration, and the arbitrator's decision shall be binding upon the parties. All arbitration shall take place in Lincoln County, Oregon unless the parties both agree to have the matter arbitrated elsewhere.

16. **Attorney Fees.** If suit, action or arbitration is brought either directly or indirectly to rescind, interpret or enforce the terms of this Contract, the prevailing party shall recover and the losing party hereby agrees to pay reasonable attorney's fees incurred in such proceeding, in both the trial and appellate courts, as well as the costs and disbursements. Further, if it becomes necessary for Owner to incur the services of an attorney to enforce any provision of this Contract without initiating litigation, Contractor agrees to pay Owner's attorney's fees so incurred. Such costs and fees shall bear interest at the maximum legal rate from the date incurred until the date paid by losing party.

THIS CONTRACT is effective on the 7th day of April, 2014.

OWNER:

By: [Signature]

Spencer R. Nebel, City Manager

CONTRACTOR:

By: [Signature]

Name: KEITH JOHNSON CONSTRUCTION LLC

Title: Member

Address for giving notices:

City of Newport

169 NW Coast Highway

Newport, OR 97365

Address for giving notices:

Keith Johnson Construction, LLC

EXHIBIT A

ESTIMATE

CCB#163200

520 SW 2nd St.

Newport, Oregon 97365

DATE

3/24/2014

NAME / ADDRESS

City of Newport
Attn:Melissa Roman
169 SW Coast Hwy
Newport, Oregon 97365

PROJECT

		PROJECT
ITEM	DESCRIPTION	TOTAL
Fixed Price Agreement	<p>Remove the existing drywall from the main lobby area at the airport facility approximately sixteen feet out from the south wall on the ceiling (four feet beyond the existing skylights and the east and west wall the same distance out from the south wall from ceiling to floor, in addition base moldings, window seals will be removed and disposed of). The exposed area will be treated with a substance to kill black mold. The areas open to the main lobby will be sealed off from the work area around the opening above, down the sides and at the floor to prevent mold spores from going into other areas of the building. Exhaust fans will be utilized to bring in fresh area and remove old area to the exterior of the building. After treating the floors, windows and any carpet will be cleaned to remove existing mold spores. The railings around the stairs and walkways will be protected using four inch foam material and drop clothes. All material removed will be disposed of by the contractor. Prior to removing the material to seal off the openings an air quality test should be administered by the city to examine the quality of air within the work area. Workers will be protected using disposable suits, and air filtration masks and goggles.</p> <p>Contractor believes that additional mold problems will be found and further removal of sheet rock and moldings may be required.</p>	9,986.00
We look forward to working with you.		Total \$9,986.00

EXHIBIT B

WISE STEPS INC.
SAFETY AND INDUSTRIAL HYGIENE CONSULTING
INDUSTRIAL HYGIENE REPORT

P.O. Box 3895 SALEM, OREGON 97302

TELEPHONE: 503-585-4002 FAX 503-585-3317

TO: MELISSA ROMAN, CITY OF NEWPORT

FROM: KATHY ELLIS, SENIOR INDUSTRIAL HYGIENE CONSULTANT

REVIEWED BY: DeETTA BURROWS, CIH

PROJECT: AIRPORT TERMINAL MOLD ASSESSMENT

ASSESSMENT: MARCH 20, 2014

REPORT: MARCH 26, 2014

PURPOSE

Wise Steps, Inc was asked to evaluate the airport terminal to determine extent of mold remediation in the building because chronic water leaks have resulted in mold growth on the surface of the walls. Wise Steps was also requested to take an air sample in the terminal to determine if staff or the public have exposure to elevated levels of mold.

This report makes recommendations related to the needed remediation and safety measures for the removal of water-damaged materials that have may have mold growth.

This report covers only the areas of the building shown to the industrial hygienist while conducting the assessment. This report does not address any water or moisture damage in terms of structural integrity or reduced quality of building materials.

ASSESSMENT FINDINGS AND TEST RESULTS

The water intrusion has occurred at the roof around the skylights and around the south windows and door on the ground floor and 2nd floor mezzanine.

Most of the mold growth has been wiped off the sheetrock walls around the windows but behind the baseboard and coving there is visible mold growth on the walls.

Moisture tests found wall cavities under windows were wet. The walls in the Wings Deli area of the terminal were dry and there was no visible mold growth on the walls. But at the south door in the Deli the walls were wet and there was visible mold growth on the wall.

The concrete floor is covered with tile on the ground floor. In the terminal, the tile has lifted off the floor because moisture in the slab. Moisture tests on the surface of the concrete identified high moisture levels. The tile on the floor in the Wings Deli room was not lifting off the floor indicating the slab had not gotten wet in this area of the building.

Air Sample

The air sample taken in the Terminal collected nearly identical amounts and types of mold spore found in the comparison test taken outdoors. The overall amount of mold spore was low for the extensive visible damage and mold growth. The lack of mold spore in the air is because the mold growth had not recently been disturbed by either cleaning surfaces or the removal of baseboard. It is important to minimize activity near the mold growth such as removing baseboards in order to prevent mold spore emission into the terminal.

A test of the mold growth on the wall was collected to identify the molds and correlate the visible mold to the types found in the air samples. The test collected only *Stachybotrys* which commonly grows on sheetrock that is wet for long periods of time. There was no *Stachybotrys* collected in the air test confirming the mold growth on the wall behind the baseboard cannot emit mold spore into the air of the terminal.

Air Tests

Sample 1 Terminal ground floor

The sample taken in the terminal collected a normal amount of total spore concentration at 730 spore/m³. The sample consisted of mostly Ascospores and Basidiospores which would have been from infiltration of outdoor air into the building.

Sample 2 Outdoors

All interior samples will be compared to this sample since there are no government regulations on how much and what kind of spore is acceptable in an occupied space. We hope to find low amounts of similar types indoors compared to the types and amounts in the outdoors. The amount of total spore collected outdoors was 770 spore/m³ and consisted of mostly Basidiospores and Ascospores.

Surface Tests

Sample 1 Wall in Terminal

The surface of the wall under the baseboard was tested to identify the type of mold growth on the sheetrock. This sample collected high concentrations of *Stachybotrys* at >1000 spore/sq inch.

Conclusion

Based on the air sample there is no exposure to mold spore occurring from the growth in or on the walls.

Based on the visual inspection and the wet conditions in the wall cavities, the following remediation procedures are recommended.

Remediation Safety and Health Protocols

Newport Municipal Airport Terminal

These recommended mitigation protocols are offered as minimal remediation procedures for the removal of fungal growth on water damaged building materials. These protocols address the general areas needed to be deconstructed or cleaned. It is the responsibility of the remediation company to remove or repair all water damaged areas in the building and to continue to look for additional fungal growth.

These protocols should be **used by water restoration workers who are knowledgeable, trained and use prudent practices while removing the damaged materials**. These protocols have been developed using the EPA document 402-K-01-001 *Mold Remediation in Schools and Commercial Buildings* and the New York City Department of Health, *Guidelines on Assessment and Remediation of Fungi in Indoor Environments* and IICRC S520 *Standard and Reference Guide for Professional Mold Remediation*.

1. Preparation:

- Find and fix the areas where water penetration is occurring.
- Terminal – the water damaged area of the terminal has already been emptied of furniture
- Wings Deli – move furnishings away from the south door to allow for containment barrier wall to be built.
- 2nd Floor office next to mezzanine area – move desk and bookcases at least 6 feet away from the south wall. Tightly cover the carpeting to prevent debris from settling into the carpet. Cover the French doors leading onto the mezzanine with 6ml fire resistant PVC sheeting.
- 2nd Floor Mezzanine – Remove the furniture from the west and east sides of the mezzanine.

2. Remediation Worker Safety:

The remediation contractor shall comply with all applicable OSHA regulations such as having a Written Respiratory Protection Program and Hazard Communication Program.

All workers at all times inside the containment must be fully equipped with protective equipment. This should include at least:

- Tyvek coveralls
- Gloves
- ½ Face respirators with N95 or HEPA cartridges
- Eye protection

The respirators must be worn during the time of demolition and initial cleaning work. Protective equipment should be donned and doffed outside the contained rooms.

3. Containment

Terminal and Mezzanine

Securely attach a solid barrier wall from the ceiling to the floor. This should start just above the lower skylights and will need to incorporate the west and east sides of the mezzanine. Tightly seal the containment at the ceiling, floor and walls. This will be made of 6ml fire resistance PVC sheeting, floor to ceiling.

Wings Deli

Build a containment chamber at the south door in Wings Deli going 4-6 feet northward into the room and 12 inches past the east side of the door and extending to the west wall. This will be made of 6ml fire resistance PVC sheeting, floor to ceiling.

2nd Floor office on mezzanine

Build a containment wall along the south wall going 4 feet northward into the office. This will be made of 6ml fire resistance PVC sheeting, attached floor to ceiling.

Make up air for the containments will need to be filtered. This is usually done by placing a high efficiency filter in the wall of the chamber.

These containment barriers will isolate remediation work areas from the non damaged work areas.

Establish HEPA-filtered negative pressurization of the containment work areas.

4. Extent of Remediation

Terminal and Mezzanine

Remove the tile floor in the terminal to start drying the concrete slab. (Tile and mastic sample has been submitted for asbestos analysis)

Remove the carpet on the mezzanine within the containment.

Remove the ceiling, walls and insulation in the south side of the terminal.

Wings Deli

Remove the wall and insulation, floor to ceiling on:

- the east side of the door which is approximately 8 inches wide
- the wall above the door
- on the west side of the door remove at least 12 inches of wall, or until there is no visible mold growth on the wall.

Office on Mezzanine

Remove the wall and insulation floor to ceiling on south wall.

After all the wet and visibly mold covered building materials have been removed, dry the concrete floor and wall cavities.

Then wipe or HEPA vacuum all floors or walls within the rooms that underwent water restoration work.

5. Post Remediation Assessment

I recommend a post remediation inspection and clearance samples be taken after the ceiling and walls have been removed and the cleaning job is complete and BEFORE rebuild. This would include assessing the following Remediation Performance Indicators:

1. If the containment and controls followed the recommended protocols.
2. Removal of all visible mold growth
3. No surface debris remained inside the containment on the floors
4. Air and possibly surface samples in the containment and outside the contained areas that find levels that are similar to those found on visibly clean surfaces in non water damaged buildings.

Mold Spore Lab Report



EMSL Analytical, Inc.

2235 Polvorosa Ave., Suite 230 San Leandro, CA 94577
Phone/Fax: (510) 895-3675 / (510) 895-3680
<http://www.EMSL.com> / sanleandrolab@emsl.com

Order ID: 091404024
Customer ID: WISE85
Customer PO:
Project ID:

Attn: Kathy Ellis
Wise Steps, Inc.
PO Box 3895
Salem, OR 97302

Phone: (503) 585-4002
Fax: (503) 585-3317
Collected: 03/20/2014
Received: 03/21/2014
Analyzed: 03/21/2014

Proj: NEWPORT AIR TERMINAL

Test Report: Air-O-Cell™ Analysis of Fungal Spores & Particulates by Optical Microscopy (Methods EMSL 05-TP-003, ASTM D7391)

Lab Sample Number:	091404024-0001			091404024-0002		
Client Sample ID:	1			2		
Volume (L):	75			75		
Sample Location:	TERMINAL			OUTDOOR		
Spore Types	Raw Count	Count/m ³	% of Total	Raw Count	Count/m ³	% of Total
Alternaria	-	-	-	-	-	-
Ascospores	3	100	13.7	3	100	13
Aspergillus/Pericillium	-	-	-	-	-	-
Basidiospores	12	510	69.9	13	550	71.4
Bipolaris++	-	-	-	-	-	-
Chaetomium	-	-	-	-	-	-
Cladosporium	1	40	5.5	2	80	10.4
Curvularia	-	-	-	-	-	-
Epicoecium	-	-	-	-	-	-
Fusarium	-	-	-	-	-	-
Ganoderma	-	-	-	1	40	5.2
Myxomycetes++	-	-	-	-	-	-
Phanerochaete	-	-	-	-	-	-
Rust	-	-	-	-	-	-
Scopulariopsis	-	-	-	-	-	-
Stachybotrys	-	-	-	-	-	-
Torula	-	-	-	-	-	-
Ulocladium	1	40	5.5	-	-	-
Unidentifiable Spores	-	-	-	-	-	-
Zygomycetes	-	-	-	-	-	-
Taeniolaella	1	40	5.5	-	-	-
Total Fungi	18	730	100	19	770	100
Hyphal Fragment	-	-	-	-	-	-
Insect Fragment	-	-	-	-	-	-
Pollen	-	-	-	-	-	-
Analyt. Sensitivity 600x	-	42	-	-	42	-
Analyt. Sensitivity 300x	-	13*	-	-	13*	-
Skin Fragments (1-4)	-	2	-	-	1	-
Fibrous Particulate (1-4)	-	1	-	-	1	-
Background (1-5)	-	3	-	-	2	-

Bipolaris++ = Bipolaris/Drechlera/Exserohilum
Myxomycetes++ = Myxomycetes/Periconia/Sorut

No discernable field blank was submitted with this group of samples.

Israel Gutierrez
or Other Approved Signatory

High levels of background particulate can obscure spores and other particulates leading to underestimation. Background levels of 5 indicate an overloading of background particulates, prohibiting accurate detection and quantification. Present = spores detected on overexposed samples. Results are not blank corrected unless otherwise noted. The detection limit is equal to one fungal spore, structure, pollen, fiber particle or insect fragment. --- Denotes particles found at 100x. * Denotes not counted. Due to method clipping rules, raw counts in excess of 100 are extrapolated based on the percentage analyzed. EMIL, EMIL Analytical, Inc. bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. San Leandro, CA AHA-LAP, LLC-EMILAP Lab 181748

Initial report from: 03/21/2014 15:21:18

For information on the fungi listed in this report please visit the Resources section at www.emsl.com

Test Report SPVER3-7.30.4 Printed: 3/21/2014 03:21:18PM

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Surface Samples



EMSL Analytical, Inc.

2235 Polvorosa Ave., Suite 230 San Leandro, CA 94577
Phone/Fax: (510) 895-3675 / (510) 895-3680
<http://www.EMSL.com> / sanleandro@emsl.com

Order ID: 091404024
Customer ID: WISE85
Customer PO:
Project ID:

Attn: Kathy Ellis
Wise Steps, Inc.
PO Box 3895
Salem, OR 97302

Phone: (503) 585-4002
Fax: (503) 585-3317
Collected: 03/20/2014
Received: 03/21/2014
Analyzed: 03/21/2014

Proj: NEWPORT AIR TERMINAL

Test Report: Microscopic Examination of Fungal Spores, Fungal Structures, Hyphae, and Other Particulates from Tape Samples (EMSL Method: M041)

Lab Sample Number:	091404024-0003				
Client Sample ID:	1				
Sample Location:	WALL				
Spore Types	Category				
Agrocybe/Coprinus	-				
Alternaria	-				
Ascospores	-				
Aspergillus/Penicillium	-				
Basidiospores	-				
Bipolaris++	-				
Chaetomium	-				
Cladosporium	-				
Curvularia	-				
Epicoecium	-				
Fusarium	-				
Ganoderma	-				
Myxomycetes++	-				
Paecilomyces	-				
Rust	-				
Scopulariopsis	-				
Stachybotrys	*High*				
Torula	-				
Ulocladium	-				
Unidentifiable Spores	-				
Zygomycetes	-				
Fibrous Particulate	-				
Hyphal Fragment	-				
Insect Fragment	-				
Pollen	-				

Category: Count/per area analyzed

Rare: 1 to 10 Low: 11 to 100 Medium: 101 to 1000 High: >1000

Bipolaris++ = Bipolaris/Dreschlera/Exserohilum Myxomycetes++ = Myxomycetes/Periconia/Smut

* = Sample contains fruiting structures and/or hyphae associated with the spores.

No discernable field blank was submitted with this group of samples.

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation of the data contained in this report is the responsibility of the client. "+" denotes not detected. Samples received in good condition unless otherwise noted.

Samples analyzed by EMSL Analytical, Inc. San Leandro, CA AHA-LAP, LLC—EMLAP Accredited #101748

Initial report from: 03/21/2014 15:21:18

For information on the fungi listed in this report please visit the Resources section at www.emsl.com

Test Report DEVER1-7.30.1 Printed: 3/21/2014 03:21:18PM

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